### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

### (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 15 September 2005 (15.09.2005)

**PCT** 

# (10) International Publication Number $WO\ 2005/085746\ A1$

(51) International Patent Classification<sup>7</sup>: 39/24, F42D 5/04, 5/045

F42B 39/14,

(21) International Application Number:

PCT/GB2005/000756

**(22) International Filing Date:** 1 March 2005 (01.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0404634.8 2 March 2004 (02.03.2004) GB 0405860.8 16 March 2004 (16.03.2004) GB

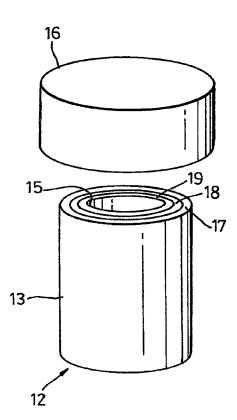
(71) Applicant (for all designated States except US): CINTEC INTERNATIONAL LIMITED [GB/GB]; Cintec House,

11 Gold Tops, Newport, Gwent, South Wales NP20 4PH (GB).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JAMES, Peter [GB/GB]; 2 Redd Landes, Shirenewton, Chepstow, Gwent NP6 6QP (GB).
- (74) Agents: HALSTEAD, Richard, Ralph et al.; Morgan Arcade Chambers, 33 St. Mary Street, Cardiff CF10 1AB (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

[Continued on next page]

(54) Title: BOMB BIN



(57) Abstract: A water fillable blast suppression bin (1, 12, 23) comprising an inflatable container (2, 13, 24) for holding e.g. a bomb, the container comprising an outer layer of ballistics-grade material (4) acting as a last line of containment for a subsequent blast, one or more internal layers for forming containers (6, 7, 9, 10, 17, 18, 19, 24, 25) for holding water and/or gas and/or material layers to provide separated volumes of water and/or gas, such as nitrogen, in use, and/or material, such as mineral wool, and a closure lid (3, 16) also having an outer layer of ballistic-grade material and one or more layers of water and/or gas finable containers (6, 7, 9) and/or material.

## WO 2005/085746 A1



PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.